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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Ruben et al.

Docket No.: PZ003P4

Application No.: 09/852,659

Confirmation No.: 5111

Filed: May 11, 2001

Art Unit: 1636

For: Secreted Protein HPMBQ91 (As Amended)

Examiner: D. Sullivan

**SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of a claim of the subject application, Attorney for Applicants hereby directs the Examiner's attention to references P-Y listed on the attached Form PTO/SB/08. Copies of the references are enclosed.

The listed references are presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 C.F.R. § 1.104(a) concerning the Examiner's duty to consider and use any such information. Applicants respectfully request that the Examiner make the listed references of record in the file history of the application, and consider the information contained therein during the prosecution of this application.

Identification of the listed references is not to be construed as an admission of any individual associated with the filing or prosecution of the subject application that such references are available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to take appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the subject application.

Pursuant to 37 C.F.R. § 1.97(c), since this Second Supplemental Information Disclosure Statement is being filed after the mailing date of a first Office Action on the merits, but before

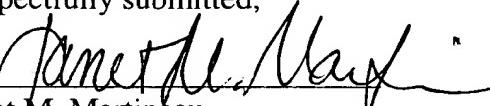
the mailing date of a Final Office Action, or a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution, the Patent and Trademark Office will consider this Second Supplemental Information Disclosure Statement if it is accompanied by a statement as specified in 37 C.F.R. § 1.97(e) or the fee as specified in 37 C.F.R. § 1.17(p).

Accordingly, the undersigned certifies pursuant to 37 C.F.R. § 1.97(e)(1) that each item of information contained in this Second Supplemental Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Second Supplemental Information Disclosure Statement. In particular, the listed references were cited in a European Search Report mailed October 23, 2003, in connection with a corresponding international application.

Applicant believes that no fee is due in connection with this submission. However, should the Patent & Trademark Office determine otherwise, please charge such fee to our Deposit Account No. 08-3425.

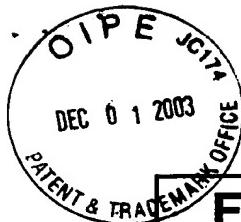
Dated: December 1, 2003

Respectfully submitted,

By 
Janet M. Martineau

Registration No.: 46,903
HUMAN GENOME SCIENCES, INC.
9410 Key West Avenue
Rockville, Maryland 20850
(301) 315-2723

KKH/JMM/FR/ba



Use in lieu of PTO/SB/17 (08-03)
(Form updated to reflect FY 2004 fees effective 10/1/03)

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **0.00**

Complete if Known

Application Number	09/852,659-Conf. #5111
Filing Date	May 11, 2001
First Named Inventor	Steven M. Ruben
Examiner Name	D. Sullivan
Art Unit	1636
Attorney Docket No.	PZ003P4

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number **08-3425**

Deposit Account Name **Human Genome Sciences, Inc.**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	110	2251	55
1252	420	2252	210
1253	950	2253	475
1254	1,480	2254	740
1255	2,010	2255	1,005
1401	330	2401	165
1402	330	2402	165
1403	290	2403	145
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,330	2453	665
1501	1,330	2501	665
1502	480	2502	240
1503	640	2503	320
1460	130	1460	130
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	770	2809	385
1810	770	2810	385
1801	770	2801	385
1802	900	1802	900

SUBTOTAL (1) (\$) **0.00**

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	-20** =	x	=	Fee Paid
Independent Claims	-3** =	x	=	
Multiple Dependent				

*Reduced by Basic Filing Fee Paid **SUBTOTAL (3)** (\$) **0.00**

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Janet M. Martineau	Registration No. (Attorney/Agent)	46,903	Telephone	(301) 315-2723
Signature				Date	December 1, 2003



PTO/SB/08a/b (06-03)

Approved for use through 07/31/2003. OMB 0651-0031
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
				Application Number	09/852,659-Conf. #5111
				Filing Date	May 11, 2001
				First Named Inventor	Steven M. Ruben
				Art Unit	1636
				Examiner Name	D. Sullivan
Sheet	1	of	2	Attorney Docket Number	PZ003P4

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	P	EP-0 892 053-A2	01-20-1999	SmithKline Beecham PLC and Human Genome Sciences, Inc.	
	Q	WO-98/55612-A1	12-10-1998	ZymoGenetics, Inc.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	R	BONNER et al., "A cDNA encoding the precursor of the rat neuropeptide, neurokinin B," <i>Molec. Brain Res.</i> , 2(3):243-249 (1987).			
	S	KAKO et al., "Cloning and Sequence Analysis of Mouse cDNAs Encoding Preprotachykinin A and B," <i>Biomed. Res.</i> , 14(4):253-259 (1993).			
	T	EBI Accession No. AA004764, HILLIER et al., "zh89a10.r1 Soares fetal liver spleen 1NFLS S1 Homo sapiens cDNA clone 428442 5' similar to SW:TKNK_BOVIN P08858 NEUROKININ B PRECURSOR, mRNA sequence" (Jul. 25, 1996).			
	U	EBI Accession No. T54351, HILLIER et al., "ya93h08.s1 Stratagene placenta (#937225) Homo sapiens cDNA clone IMAGE:69279 3' similar to SP:TKNK_BOVIN P08858 NEUROKININ B PRECURSOR, mRNA sequence" (Feb. 28, 1995).			
	V	EBI Accession No. R63635, HILLIER et al., "yi09f09.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:138761 5' similar to SP:TKNK_BOVINE P08858 NEUROKININ B PRECURSOR, mRNA sequence" (May 31, 1995).			
	W	EBI Accession No. T58582, HILLIER et al., "ya93h08.r1 Stratagene placenta (#937225) Homo sapiens cDNA clone IMAGE:69279 5' similar to SP:TKNK_BOVIN P08858 NEUROKININ B PRECURSOR, mRNA sequence" (Mar. 4, 1995).			

Examiner Signature	Date Considered
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DEC 01 2003

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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	09/852,659-Conf. #5111
Sheet	2	of	2	Filing Date	May 11, 2001
				First Named Inventor	Steven M. Ruben
				Art Unit	1636
				Examiner Name	D. Sullivan
				Attorney Docket Number	PZ003P4

X	EBI Accession No. R62763, HILLIER et al., "yi10c09.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:138832 5' similar to SP:TKNK_BOVIN P08858 NEUROKININ B PRECURSOR, mRNA sequence" (May 30, 1995).	
Y	LANG et al., "Neurochemical characterization of preprotachykinin B(50-79) immunoreactivity in the rat," <i>Regulatory Peptides</i> , 57:183-192 (1995).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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